

Amendments to the Specification:

Please add the following new paragraph after the Title and before the first line of the first paragraph of page 1.

This application is a U.S. National Phase Application of PCT International Application No. PCT/KR2004/002682, filed October 20, 2004.

Please replace the paragraph at line 4, page 1 with the following rewritten paragraph:

The present invention relates to a method and apparatus for a subscriber-based ringback tone service of providing a specific sound, which a called subscriber has chosen as a ringback tone, in order to improve the existing uniform ringback tone service. More specifically, the present invention relates to a method and ~~aparatus~~ apparatus for the called subscriber to send his own personal information as a sound by various ways or to send the personal information along with a pre-set ringback tone replacement sound by various ways.

Please replace the paragraph at line 18, page 1 with the following rewritten paragraph:

A method was proposed to send various ad sound messages to a caller instead of such uniform ringback tone. However, such an ad sound message is chosen unilaterally by a network operating enterprise. If a caller heard such a unilateral ad sound, he could talk over a mobile telephone with the called individual for a limited time for free. However, the method in which the ad sound is provided instead of the conventional ringback tone still has the aforementioned drawbacks. That is, a caller cannot identify a called individual before the called individual answers and the uniform ringback tone cannot satisfy various subscribers' needs to reveal ~~thier~~ their individuality.

Please replace the paragraph at line 20, page 2 with the following rewritten paragraph:

The ~~object of the present invention is to provide~~ provides a method and apparatus for transmitting personal information in a subscriber-based ringback tone service which can transmit the personal information representing a called subscriber by a ringback tone replacement sound.

Please replace the paragraph at line 1, page 3 with the following rewritten paragraph:

According to a first aspect of the present invention, ~~the~~ an exemplary method for transmitting personal information in a subscriber-based ringback tone service comprises ~~the steps of:~~ a home location register providing a call-terminating exchanger with first information on whether or not a registered ringback tone previously set in the home location register is to be replaced and second information for routing to sound providing means when a calling terminal is registered in the call-terminating exchanger; the call-terminating exchanger requesting a call connection to the sound providing means based on the first and the second information if the calling terminal requests a call to a called terminal; and the sound providing means call-connecting to the calling terminal, detecting a specific sound set corresponding to the called terminal, and providing the calling terminal with the detected specific sound if the call connection is received,

Please replace the paragraph at line 17, page 3 with the following rewritten paragraph:

~~Preferably,~~ According to another aspect of the present invention, text information of the personal information sound can be conversed as a voice by using a text-to-speech (TTS) engine in a web server or a WAP server. Also, the personal information sound can be inputted as a voice by an automatic response service (ARS).

Please replace the paragraph at line 21, page 3 with the following rewritten paragraph:

~~Preferably~~ According to yet another aspect of the present invention, the personal information sound is modulated by a voice modulation device, and the specific information includes at least one of the called subscriber's phone number, name, nickname and character.

Please replace the paragraph at line 1, page 4 with the following rewritten paragraph:

~~Preferably~~ According to yet a further aspect of the present invention, the personal information sound is different by time zone, and the replacement sound is different by time zone. In addition, the replacement sound is at least one or more among a basic replacement sound which is not classified according to callers; a replacement sound which is classified according to callers; and a replacement sound which is set by time zone.

Please replace the paragraph at line 6, page 4 with the following rewritten paragraph:

According to a second aspect of the present invention, the method for transmitting personal information in a subscriber-based ringback tone service comprises ~~the steps of:~~ a call-

originating exchanger requesting location information to a home location register when a calling terminal requests a call to a called terminal; the home location register requesting routing information of the called terminal to the call-terminating exchanger and providing the call-terminating exchanger with the routing information, the first information and the second information from the call-terminating exchanger if the request for the location information of the called terminal is received, wherein the first information is concerned about whether or not the ringback tone correspondingly set in the called terminal is to be replaced and the second information is for routing to a sound providing means; the call-originating exchanger requesting a call connection to the sound providing means based on the first and the second information; and the sound providing means call-connecting to the calling terminal, detecting a specific sound which is correspondingly set to the called terminal to provide the calling terminal with the detected specific sound if the request for the call connection is received, wherein the specific sound is generated by combining personal information sound for specific information, which can identify the called subscriber or can represent the character of the called subscriber, with the ringback tone replacement sound which is set by the called subscriber.

Please replace the paragraph at line 1, page 5 with the following rewritten paragraph:

~~Preferably~~According to another aspect of the present invention, text information of the personal information is converted to voice information by the text-to-speech (TTS) engine in a web or a WAP server. In addition, the personal information sound can be inputted as a voice via the ARS.

Please replace the paragraph at line 4, page 5 with the following rewritten paragraph:

~~Preferably~~According to yet another aspect of the present invention, the personal information sound is modulated by a voice modulation device, and the specific information includes at least one of the called subscriber's phone number, name, nick name and character.

Please replace the paragraph at line 7, page 5 with the following rewritten paragraph:

~~Preferably~~According to yet a further aspect of the present invention, the personal information sound is different by time zone, and the replacement sound is different by time zone. In addition, the replacement sound is at least one ~~among~~of a basic replacement sound which is not classified according to callers; a replacement sound which is classified according to callers; and a replacement sound which is set by time zone.

Please replace the paragraph at line 12, page 5 with the following rewritten paragraph:

~~The~~ An exemplary apparatus for transmitting personal information in a subscriber-based ringback tone service according to the second ~~aspect~~ aspect of the present invention comprises: a home location register for providing a first information about whether or not the ringback tone set in the profile of the called terminal of the call-terminating exchanger is replaced and a second information for routing to a sound providing means when the called terminal is registered in the call-terminating exchanger; a call-terminating exchanger for requesting a call connection to the sound providing means based on the first and the second information if a request for a call to the called terminal is received; and sound providing means for call connecting with the calling terminal, detecting a specific sound which is set corresponding to the called terminal to provide the calling terminal with the detected specific sound if the request for the call connection is received from the call-terminating exchanger, wherein the specific sound is generated by combining a personal information sound for specific information with the common ringback tone replacement sound which is set by the called subscriber.

Please replace the paragraph at line 2, page 6 with the following rewritten paragraph:

~~Preferably~~ According to a further aspect, the apparatus further comprises a web server which is connected to the Internet and communicates with the sound providing device via a gateway, wherein the web server comprises a TTS engine for changing text of specific information which is inputted by a called subscriber and which can identify the called subscriber or can represent the character of the called subscriber, and the sound providing means generates a specific sound by combining the personal information sound transmitted from the web server with the ringback tone replacement sound set by the called subscriber to provide the calling terminal with the specific sound as the replacement sound through the call-terminating exchanger.

Please replace the paragraph at line 11, page 6 with the following rewritten paragraph:

~~Preferably~~ According to another aspect of the present invention, the apparatus further comprises an ARS for the called subscriber to input the specific information as a voice.

Please replace the paragraph at line 13, page 6 with the following rewritten paragraph:

~~Preferably~~According to yet another aspect of the present invention, the specific information includes at least one of the called subscriber's phone number, name, nickname and character.

Please replace the paragraph at line 15, page 6 with the following rewritten paragraph:

Also, ~~preferably~~according to yet a further aspect of the present invention, the web server further comprises a voice modifying device for modifying the personal information sound to various voices, wherein the voice modifying device is characterized in that the personal information sound is outputted as a voice to a melody.

Please replace the paragraph at line 20, page 6 with the following rewritten paragraph:

Fig. 1 is a schematic diagram showing an apparatus for transmitting personal information in a subscriber-based ringback tone service according to an exemplary embodiment of the present invention.

Please replace the paragraph at line 23, page 6 with the following rewritten paragraph:

Fig. 2 is a flow chart showing an exemplary embodiment of a method for transmitting personal information according to the present invention.

Please replace the paragraph at line 2, page 7 with the following rewritten paragraph:

Fig. 3 is a flow chart showing another exemplary embodiment of a method for transmitting personal information according to the present invention.

Please replace the paragraph at line 4, page 7 with the following rewritten paragraph:

Fig. 4 is a flow chart showing an exemplary embodiment of registering a personal information sound in a method for transmitting personal information according to the present invention.

Please replace the paragraph at line 8, page 7 with the following rewritten paragraph:

Hereinafter, some non-limiting preferred embodiments of a method and apparatus for transmitting personal information in a subscriber-based ringback tone service will be described with reference to the accompanying drawings.

Please replace the paragraph at line 11, page 7 with the following rewritten paragraph:

Fig. 1 is a schematic diagram showing an apparatus for transmitting personal information in a subscriber-based ringback tone service according to an exemplary embodiment of the present invention.

Please replace the paragraph at line 19, page 7 with the following rewritten paragraph:

The exchangers 31 and 32 communicate with the home location register 10 via No. 7 network ~~220~~ based on a signalling transfer protocol(STP)-~~20~~. The sound providing apparatus 50 is communicatively connected to the No. 7 network 20 to communicate with the exchangers 31 and 32 via a gateway (CGS) 40. The sound storage managing server 70 communicates data with the sound providing apparatus 50 via the Internet 60. The subscriber database 80 is communicatively connected to the home location register 10 via the Internet 60. The web server 100 is communicatively connected with the sound providing apparatus 50 and with the sound providing control server 70 via the Internet 60.

Please replace the paragraph at line 4, page 12 with the following rewritten paragraph:

If the request for the location information is received, the home location register 10 requests a routing to a call-terminating exchanger 32, and the call-terminating exchanger 32 provides the home location register 10 with the routing information, for example, TLDN (Temporary Local Directory Number) in response to the request (S502, S503).

Please replace the paragraph at line 9, page 12 with the following rewritten paragraph:

The home location register 10 transmits the routing information to the call-originating exchanger 31, and the call-originating exchanger 31 requests an ISUP (ISDN User Part) call connection to the call-terminating exchanger 32 based on the routing information to establish a communication path between the exchangers (S504, S505).

Please replace the paragraph at line 8, page 13 with the following rewritten paragraph:

As mentioned above, if the called subscriber receives a call while the specific sound is transmitted as a ringback tone, the call-terminating exchanger 32 recognizes ~~the~~that fact and requests an ISUP call release to the sound providing apparatus 50 so that the call can be released. At the same time, the call between the caller and the called individual is ~~performed~~

| performed via the communication path interactively established with the call-originating exchanger 31 (S510, S511).

Please replace the paragraph at line 14, page 13 with the following rewritten paragraph:

| Fig. 3 is a flow chart explaining another exemplary embodiment of the procedure of transmitting personal information in the apparatus as shown in Fig. 1 according to the present invention. The call-originating exchanger cooperates with the sound providing apparatus 50 to transmit a specific sound to a caller as a ringback tone.

Please replace the paragraph at line 9, page 15 with the following rewritten paragraph:

| Fig. 4 is a flow chart explaining an exemplary embodiment of the procedure of registering a personal information sound according to a method for transmitting personal information of the present invention.